USER'S MANUAL

637UA

MP3-COMPATIBLE CD AM/FM RECEIVER

BOSS AUDIO SYSTEMS

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Preface

Thank you for purchasing this car audio product.
Please read this manual carefully before operating this car audio product.
Please keep this manual for future use. It will be helpful to you if you are encounter any operational problem.

Selecting fine audio equipment is only the start of your musical enjoyment.
Now it is time to consider how to maximize the enjoyment you will get from knowing how to work your new car stereo receiver.

We hope you enjoy using this product and encourage you to always listen at a moderate, safe sound level to avoid any possible hearing damage or loss.
If you listen to excessively loud sound over time, your hearing can adapt to higher volumes and what sounds "normal" to you may be quite harmful and can cause you to have permanent hearing loss. So please practice "safe sound" and always listen at moderate sound levels only.

Start with your volume control at the lowest setting, and slowly increase the level until you can hear it comfortably and clearly, free from distortion.
Once you have established this comfortable sound level, leave it there.

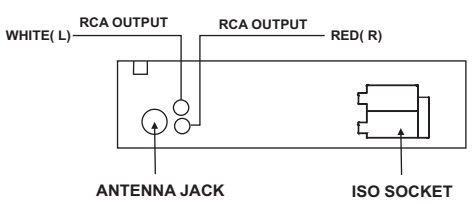
WARNING!

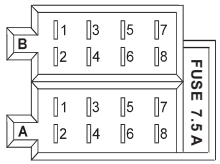
To reduce the risk of fire or electric shock, do not use the unit in the rain or moisture environment.

To prevent direct exposure to laser beam, do not try open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.

To protect our environment, do not dispose of electrical equipment in the domestic waste.
Please return any electrical equipment that you will no longer use to the collection points provided for their disposal.
This helps avoid the potential effects of incorrect disposal on the environment and human health. This will contribute to the recycling and other forms of reutilization of electrical and electronic equipment. Information concerning where the equipment can be disposed of can be obtained from your local authority.

WIRES CONNECTION





ISO SOCKET SKETCH

CONNECTOR A

1.
2.
3.
4. Memory +12V
5. Auto Antenna Output
6.
7. 12V (To Ignition Key)
8. GROUND

CONNECTOR B

1. Rear Right Speaker (+)
2. Rear Right Speaker (-)
3. Front Right Speaker (+)
4. Front Right Speaker (-)
5. Front Left Speaker (+)
6. Front Left Speaker (-)
7. Rear Left Speaker (+)
8. Rear Left Speaker (-)

SPECIFICATION

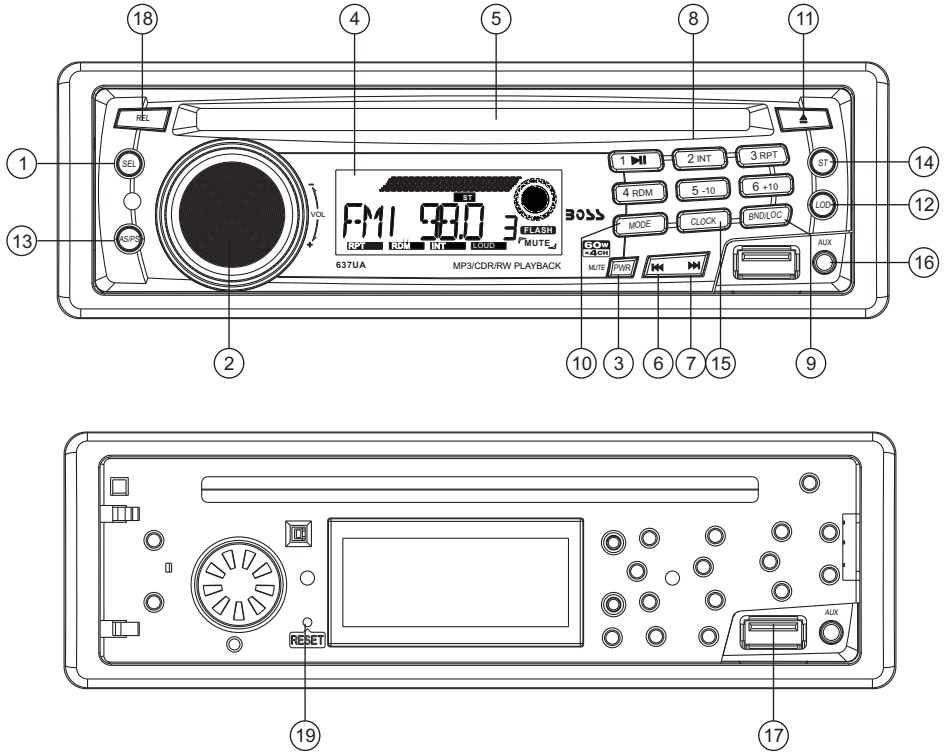
GENERAL	
Supply Voltage	DC 12 V. Negative Ground
Current Consumption	Max.7A
Power Output	60Watts X 4ch
Number of channels	2 Channels, Stereo
Unit Dimensions	178[W] X 165[D] X 50[H] mm. 7”W X6.4”DX2”H
FM SECTION	
Frequency range	87.5MHz -107.9MHz (U.S.A) 87.5MHz -108MHz (Europe)
Effective sensitivity	3uV.
I.F Frequency	10.7MHz.
AM SECTION	
Frequency range	530KHz - 1710KHz (U.S.A) 522KHz - 1620KHz (Europe)
Effective sensitivity	40dB.
I.F Frequency	450KHz
RCA LINE OUT	
Output	1000mV @ CD MAX.
CD PLAYER	
System	MP3 Audio System.
Suitable CDs	MP3, WMA, CD,CD-R,CD-RW Disc
Frequency characteristics	20Hz - 20kHz +/- 3dB 20Hz - 20kHz +/- 3dB
S/N Ratio to CD	-80dBA [1KHz]

TROUBLE SHOOTING

Before using the check list please make all the connections first.
If you still have questions after going through the checklist, please consult your local customer service representative.

Common Symptoms	Cause	Solution
There is no power.	The car ignition is switched off.	If the power supply is properly connected to the car accessory, switch the ignition key to " ON " or " ACC " .
	The fuse has blown.	Replace another fuse according to the wiring diagram.
The CDs cannot be loaded.	Presence of CD disc inside the player	Remove the disc in the player then put a new upward
The CDs are loaded only halfway into the CD tray.	The transport screws have not been removed.	Remove the transport screws before using.
The device does not work correctly (EJECT, LOAD, PLAY)	Inserting the disc in upside down	Insert the compact disc with the label facing upward
	The surface of CD is extremely dirty or it is damaged.	Clean the CD or try another CD, if this works correctly, the first CD is properly damaged.
	Temperature inside the car is too high.	Cool off until the ambient temperature returns to normal
There is no sound.	The volume control is set too low.	Turn up the volume properly.
	The device has not been correctly connected.	Check the power and ground connection according to the wiring diagram.
The operation keys do not work	1.The built-in microcomputer is not operating properly due to noise 2.Front panel is not properly fix into its place	1. Switch the device off and on again. Or press the RESET button to resume the program. 2. Reinstall the front panel
The sound of the CD player skips	The installation angle is more than 30 degrees	Adjust the installation angle to less than 30 degrees
	The surface of the road is uneven.	Wait until the road becomes smoother before playing the CD.
	The surface of CD is extremely dirty or it is damaged.	Clean the CD or try another CD, if this works correctly, the first CD is properly damaged.
No radio reception.	The antenna cable is not connected.	Insert the antenna cable firmly into the antenna socket of the device.
In automatic search mode the radio does not stop at a trans-mitting station.	The transmission signals are too weak.	Tune in to a radio station manually.

LOCATION AND FUNCTION OF CONTROLS



1 & 2.SEL(MENU) BUTTON AND VOL KNOB

a) Press the SEL button briefly, it is activated as selecting each mode of E. VOL. -> VOLUME ->BASS ->TREBLE -> BALANCE -> FADER ->
When selecting a desired audio mode, rotate the VOL knob to adjust the audio effect.
In each mode, the waiting time is about 5 seconds.When the time waiting is over, it returns to display the last playback mode.
The control mode of E.VOL is operated with following numeric display.
- VOL: (MIN)0, 1,.....46, 47(MAX).
- BASS/TRE: -7, -6,...,0,...+6,+7
- BAL: L,I,...,I,...,I,R
- FAD: F,I,...,I,...,I,R

b) When pressed and hold for more than 2 seconds, it is activated as cyclical mode of following functions for user's selection.
->BEEP (ON/OFF) -> USER SET(FLAT/CLASSIC/ROCK/POP)
->VOL(LAST/DEFA) ->AMERICA3(EUROPE)(In radio mode)->
STEREO(MONO) (In FM mode)->LOUD(ON/OFF)
->DX(LOCAL)(In FM mode)->CLK(ON/OFF) ->CLK(12/24)mode.
When selecting a desired audio mode, rotate the VOL knob to adjust the audio effect.

BEEP ON/BEEP OFF
BEEP ON mode: The beep is generated when any key is pressed.
BEEP OFF mode: The beep sound is disabled.
VOL LAST/VOL DEFA
VOL LAST: The radio switches on at the actual volume it had when it was last switched off.
VOL DEFA: After pressing SEL button, AVOL will be displayed. Then you can pre-select a constant switch-on volume by using the VOL knob.
CLK ON/OFF
CLK ON: Clock will always show on the display when power off.
CLK OFF: Clock will disappear on the display when power off.

3. POWER ON/OFF & MUTE
When the unit is power off, the unit comes to on by pressing any button except the RELEASE button.
When the unit is power on, press and hold the power button for more than 0.5 seconds, the unit goes into power off mode.
When the unit is power on, press the power to switch the MUTE state on/off.

4. LCD Display

5. CD SLOT

6&7. TUNE, SEEK, TRACK, SKIP UP / DOWN BUTTONS
a) During RADIO mode:
Press the >>| or |<< button briefly to manual tune up/down for the desired radio station frequency step by step.
Press and hold the >>| or |<< button for longer 0.5 seconds, to automatically tune up/down for the radio station frequency of strong signal.
b) During disc, USB playback mode:
Press the >>| button briefly to play next track.
Press the |<< button briefly to play the current track from the beginning of it if the playing time is more than 2 seconds.
Press the |<< button briefly to play the previous track if the playing time is less than 2 seconds.
Press the >>| or |<< button and hold to skip forwards or backwards, release to resume normal playback.

8. PRESET STATION MEMORY AND >||, INT, RPT, RDM BUTTONS
a) During radio mode:
Go to any preset station by pressing one of the 6 preset station buttons (1-6).
If one of these buttons is pressed for more than 2 seconds, the station currently being listened to will be memorized into the selected preset button.
b) During disc, USB mode:
1) Press the >|| button briefly to interrupt the playback of the disc or USB.
Press again to resume normal playback of the disc or USB.
Press the >|| button and hold for approximately 0.5 seconds to play the first track of the disc or USB.

CARE FOR USING CD'S:

About CD-R/CD-R/W discs:
In addition to commercially-recorded audio CD's, this unit can play CD-R and CD-R/W discs. In some cases, particularly when recorded on older CD burners, some CD-R and CD-R/W discs may not play. Also, whenever you are recording a CD for playback in this receiver, it is recommended that you record at 24x or slower speed for CD-R and 4x or slower for CD-R/W to achieve higher signal quality and better playback performance.

1. To keep the disc clean:
Do not attach any sticker or adhesive tape on the disc.
Handle the disc by its edge to keep the disc clean and do not touch the surface.
Before playing a disc, wipe it off with a clean, dust-free cleaning cloth.
Wipe the disc outwards from the disc center.

2. When one has already been inserted. Doing so may damage the unit. Insert a disc with labeled surface up, or it will damage the unit.

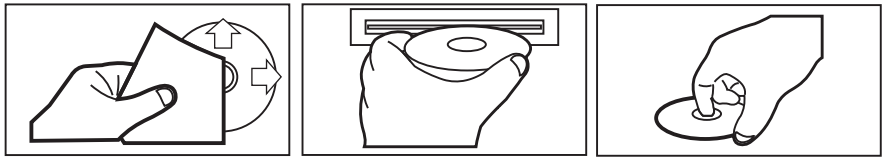
3. Do not expose the disc to direct sunlight or nearby heat sources such as heating vents, caliduct which can cause the disc to warp.
Do not leave disc in a car if it is parked in direct sunlight as that will lead to a considerable rise in the temperature inside the car.

4. Do not use any secondhand or rented disc, usually, there is glue on the surface of those discs, it will stop the unit working and damage it.

5. Always store the disc in its case for protection. Scratched up discs will produce poor sound performance and cause CD player to skip.

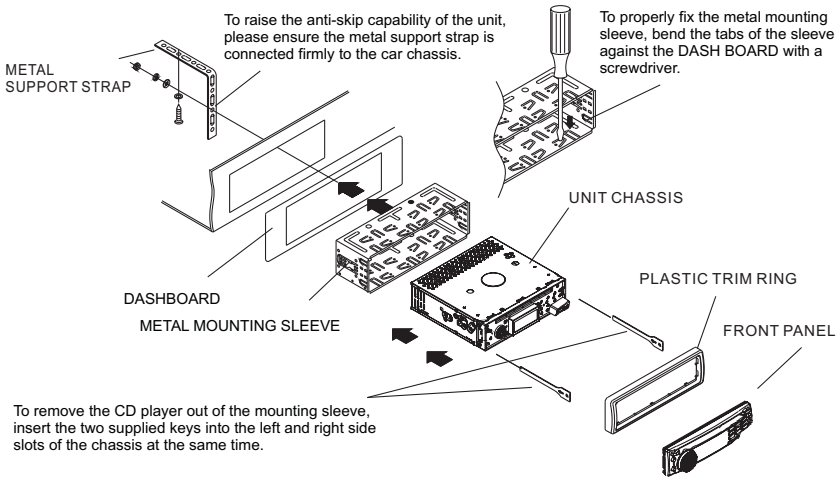
6. In raining day or wet area, the moisture may form on the disc or the optical parts, the playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth.
If moisture forms on the optical parts of the unit, allow the unit to sit for about one hour with power on.

7. Do not use solvents such as benzine or thinners. Commercially available cleaners or anti-static spray will damage the unit.



INSTALLATION METHOD

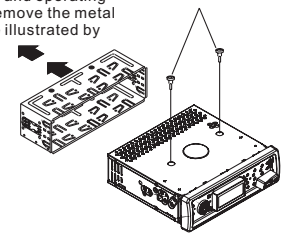
This is an anti-theft installation method.
The main unit wears a METAL MOUNTING SLEEVE.
Please connect the wiring, eg, the Power supply, the Speakers and the Antenna according to the requirements of this Instruction Manual, then install the metal mounting sleeve into the car as per the diagram illustrated below.


To raise the anti-skip capability of the unit, please ensure the metal support strap is connected firmly to the car chassis.
To properly fix the metal mounting sleeve, bend the tabs of the sleeve against the DASH BOARD with a screwdriver.
METAL SUPPORT STRAP
UNIT CHASSIS
PLASTIC TRIM RING
DASHBOARD
METAL MOUNTING SLEEVE
FRONT PANEL
To remove the CD player out of the mounting sleeve, insert the two supplied keys into the left and right side slots of the chassis at the same time.

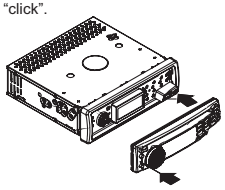
NOTE

Remove the two screws that protect the CD player during transportation before operating the player.

Before installing and operating the CD player, remove the metal mounting sleeve illustrated by the arrows.



To attach the removable faceplate, insert the right side of the faceplate into the right of the CD player chassis first. Then push the left side of the faceplate into the chassis until you hear it “click”.



2) Press the INT button to sample the first 10 seconds part of each track, and the ON will be visible on the LCD.
In the process of INT, press INT button again to stop sampling and to continue playing the current track, and the LCD will display OFF.
3) Press the RPT button once to play the current track repeatedly, and the RPT ONE will be visible on the LCD.
Press the RPT button twice to play the current folder repeatedly, and the RPT DIR will be visible on the LCD.
Press the RPT button thrice to stop playing repeatedly mode and the LCD will display OFF.
4) Press the RDM button to play all tracks on disc in random order, and the RANDOM will be visible on the LCD.
In the process of RDM, press RDM button again to stop playing in random order and the LCD will display OFF.
5) Press the -10 and +10button to move up and down10 tracks at a time.
When the remained total tracks is lack of 10, the both buttons are inactively.

9. BAND AND LOC BUTTON

1) In radio mode.

Press the BND button briefly to select the radio broadcasting band you would like to hear. The AM/FM band is toggled cyclically through the tuning bands:

->FM 1-> FM 2 -> FM 3 -> AM1(MW1)->AM 2(MW2) ->.
Press and hold the BND button to select LOCAL/DX mode.
Note: This button is only for FM reception. In AM mode, LOC is void.

2) During MP3/WMA file in disc or USB mode:

Press the BND button briefly to TRACK SEARCH mode, the LCD will display TRK T 000 and flash the bigest digit 0 that the USB stick contain. (if the number of tracks is less than 100 and more than 9, it will be TRK 00) Then rotate the number of the flashing digit from 0 ~ 9. Then press SEL button to confirm the VOL knob to select the number and flash next smaller digit 0.
With the same means, select the number of the flashing digit. After finishing selecting the number of all flashing digit, press SEL button to play the track of the selected serial number.

10. MODE BUTTON

Press the MODE button to change among tuner (radio), disc (when a disc is loaded), USB (when an USB stick is inserted) and AUX mode.

11. EJECT KEY

In the power on state, the loaded disc can be ejected by pressing the EJ key.

12. LOUDNESS BUTTON

When press briefly, the LOUD mode is turned on, its to enhance the bass sound effect when the volume level is low. Press again to cancel the loudness effect.

13. AS/PS BUTTON (Auto-storage /Preset scan)

During radio mode:

1) when press and hold for more than 1 second, the radio searches from the current frequency and checks the signal strength level until 6 station are found. And then the 6 stations frequency are preset to the corresponding preset memory numbered bank. The auto-storage operation is implemented in the each selected band. When the auto-storage operation is finished, the radio execute the Preset Scan.

2) when press briefly, the radio searches for each preset station in the current band and holds at that preset number for 5 seconds with releasing mute, and then search again.

14. ST/MO BUTTON

In FM mode, press the ST briefly to select stereo or mono sound mode.

15.CLK BUTTON

Press the CLK button briefly to display time for 5 seconds on the display, and then returns to its previous display unless the button is pressed again.
Then press the CLK button and hold for more than 1 second until the real time flashes on the display. Then you can adjust HOUR or MINUTE by rotate the VOL knob.

16.AUX INPUT JACK

Press the mode button to select auxiliary input playing mode. Then you can connect any matched external audio device to this socket. Use the volume knob to adjust volume.

17.USB SOCKET

In order to play the file in the USB stick, turn over the plastic cover cap then insert the USB stick into the USB socket. The system will change into the USB mode automatically, and then play the first file in the USB.
When no needing to do USB operation, please cover the plastic cover cap.

18. RELEASE BUTTON

Press the REL button to release the front control panel from the unit chassis, then pull it up a little to remove from the unit chassis.
When the front control panel is removed the LED indicator flashes.

19. RESET BUTTON

Before operating the unit for the first time, or after replacing the car battery or changing the connections. You must reset the unit.
Press this button with a cuspidal object. This operation will erase the clock setting and some stored contents.